

**Patent Number(s):** JP47042989-A; JP75015511-B

**Title:** Polyesters with improved colour tone - synthesized using antimony catalysts

**Patent Assignee Name(s) and Code(s):** MITSUBISHI RAYON CO LTD (MITR-C); (MITR-C)

**Derwent Primary Accession Number:** 1973-56945U [39]

**Patents Cited by Inventor:** 0

**Articles Cited by Inventor:** 0

**Patents Cited by Examiner:** 0

**Citing Patents:** 0

**Articles Cited by Examiner:** 0

**Abstract:**

An Sb salt of oxalic acid, beta-hydroxycarboxylic acid, alpha, alpha-dicarboxylic acid, or thio acid analogue was used as a polyester condens. catalyst to give fibre grade polyester with good whiteness and transparency in good yield. In an example 8.67 pts. ethoxyantimony oxalate (I) in 200 pts. ethylene glycol (II) was added to a ester-exchanged mixt. from di-Me terephthalate 10,000 (II) 7500 and Mg(OAc)2 6 pts. cntg. 3.2 pts. (MeO)3PO, and the mixt. polycondensed to give poly(ethylene terephthate) (III) with intrinsic viscosity (25 degrees 1:1 phenol C2H2Cl4) 0.743 and good whiteness of 0.672 and greyish discolouration for similarly prepd. (III) with 5 pts. Sb2O3 in place of (I).

**Derwent Class:** A23 (Polyamides, polyesters, polycarbonates, alkyls); F01 (Threads and fibres, natural or artificial; spinning)

**Derwent Manual Code(s):** A02-A07; A05-E01A; F01-D04

**Patent Details:**

Patent Number	Publ. Date	Main IPC	Week	Page Count	Language
JP47042989-A			197339		
JP75015511-B	05 Jun 1975		197527		

**Priority Application Information and Date:**

JP030939	10 May 1971
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